

PSA for Steering Wheel Applications

Automotive Applications





Avery Dennison Performance Tapes offers a full line of specially formulated high performance pressure-sensitive tapes for assembling the various functional and decorative layers that wrap modern steering wheels. Pressure-sensitive tapes provide many benefits over alternatives used to bond the leather and synthetic cover materials with the foams, heating and HOD (Hands Off Detection) sensing laminates for steering wheels.

Features

- A range of rubber and acrylic based tapes for secure bonding of PE and PU foams and PET non-woven scrims to synthetic (e.g. TPO) and natural leather wraps
- Robust PSA tapes that can withstand temperature differences, sweat and chemicals (e.g. hand creams)
- Range includes thin and flexible tapes for conformable foams and scrims
- Controlled release liners allow for easy removal at point of application
- Withstand temperature differences, moisture (sweat) and chemicals
- Controlled release liners allow for easy removal at point of application.
- Low VOC solutions available.
- PSA can be supplied pre-laminated onto a foam layer

Benefits

- Secure component bonding with no heat or cure time
- Can help reduce assembly time and improve manufacturing flexibility compared to wet adhesives
- Compatible with functional layers using printed conductive ink circuits
- No loss of conformability of the steering wheel and thus no impact on comfort
- Industry proven; our tapes are approved by leading steering wheel manufacturers



Solutions

A range of Avery Dennison tapes have already found a place in the production of heated intelligent steering wheels. Solvent rubber PSAs are ideal for bonding the protective natural leather (or synthetic alternative), being resistant to moisture. The acrylic adhesives are suited for bonding the other layers including those printed with conductive inks while maintaining conformability and keeping VOC values down.

Product	Tape Thickness without liner (μ)	T-Peel Strength ISO 11339 (N / 2.5 cm)		Carrier	Liner	Key Benefit
		Natural Leather	Synthetic Leather			
FT 107	60	10.9	7.6	-	Glassine, 100 gsm	Rubber based transfer tape for bonding PU and PE foams and natural/synthetic leather
FT 2018	80	11.2	6.5	-	Glassine, 80 gsm	Transfer tape for general bonding with moderate VOC levels
FT 2150	60	9.5	6.1	-	Glassine, 105 gsm	Low VOC transfer tape for foam and PET bonding and greater moisture resistance, also compatible with conductive inks
FT 2098	80	n.a.	n.a.	-	Glassine, 80 gsm	Low VOC acrylic
FT 7397	102	n.a.	n.a.	PET 12mu	PCK, 120 gsm	Acrylic adhesive double coated tape for general bonding, also compatible with conductive inks
FT 7961	95	n.a.	n.a.	PET scrim	Glassine, 90 gsm	Low VOC reinforced transfer tape for PET bonding and greater moisture resistance, also compatible with conductive inks
FT 7999	90	n.a.	n.a.	PET scrim	Glassine, 80 gsm	Low VOC acrylic reinforced transfer tape

Our technical experts are here to show you how to work with your materials successfully during every phase of your application. You can count on us to approach any challenge with genuine curiosity and care.

Contact your Avery Dennison sales representative or visit tapes.averydennison.com

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